

Methotrexate entrained in the hyaluronan meshwork

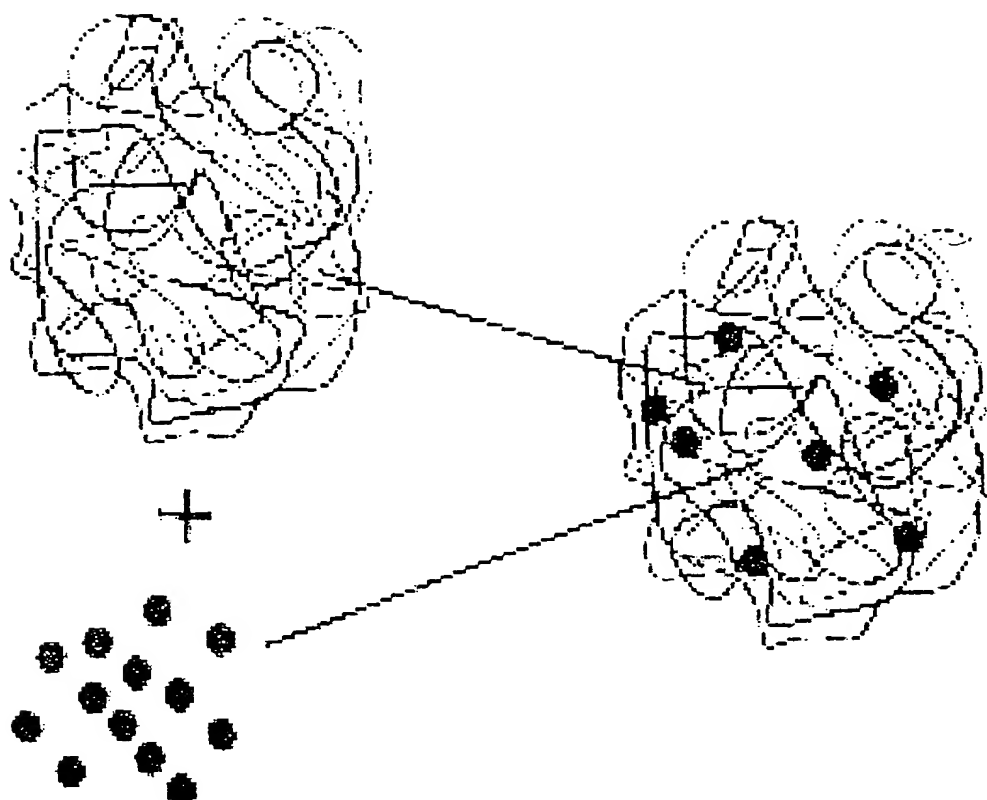
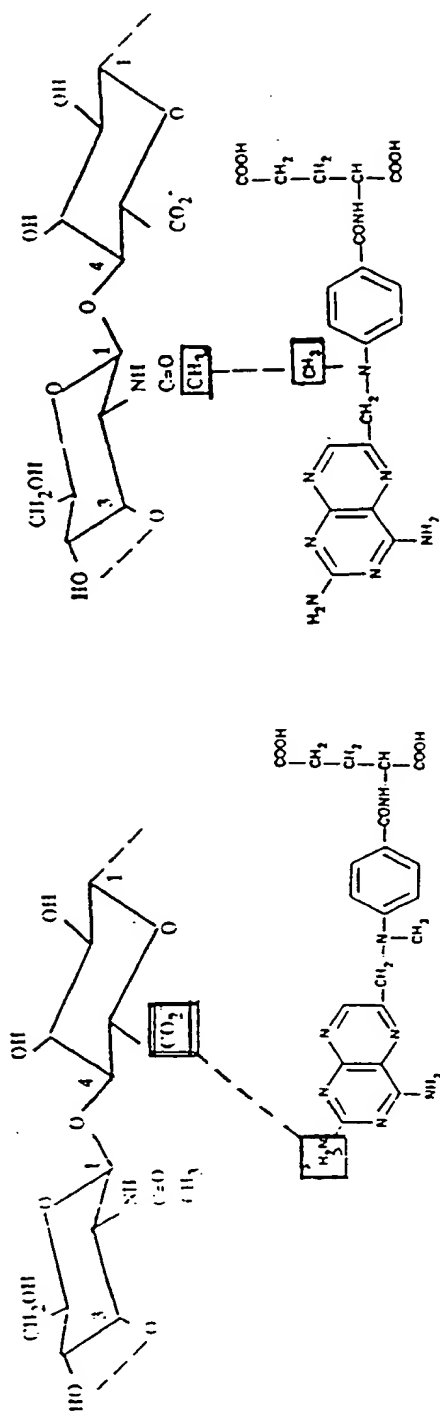


FIGURE 1

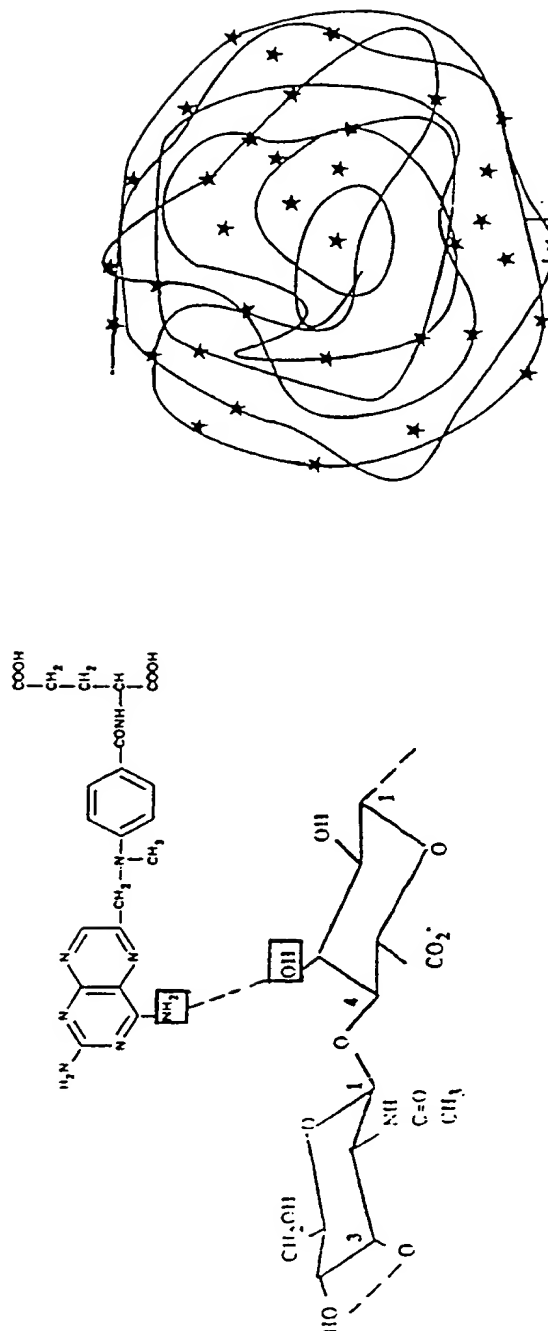
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A: Possible Interactions between Methotrexate and Hyaluronan
i. Ionic bonding
ii. Hydrogen Bonding
iii. Hydrophobic Bonding



ii. Hydrogen Bonding

B: Entanglement of Methotrexate in Hyaluronan Molecule



..FIGURE . 2

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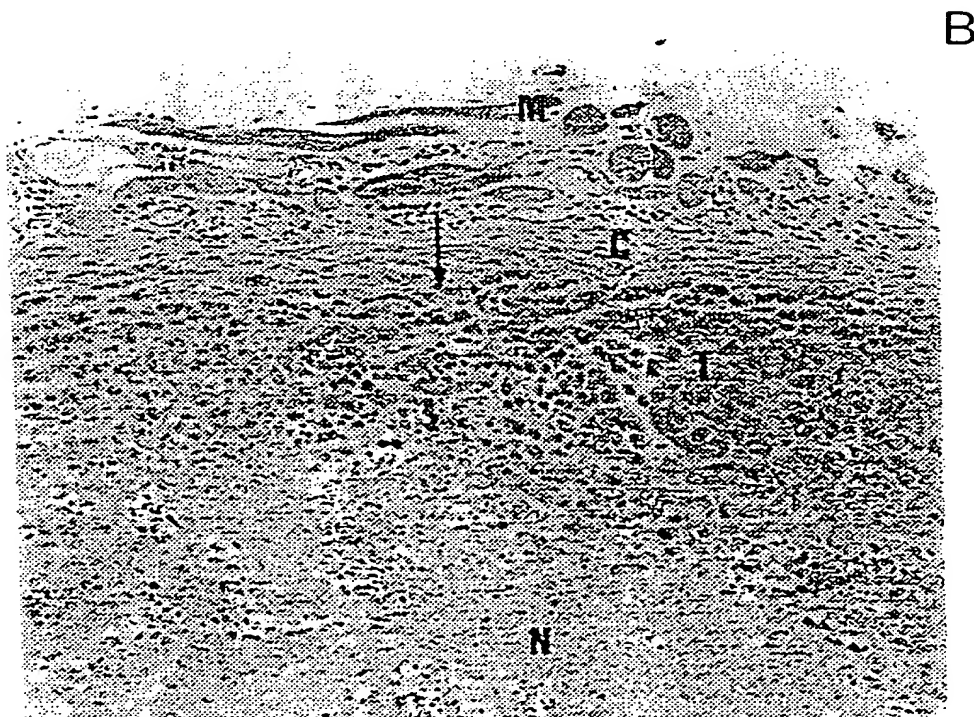
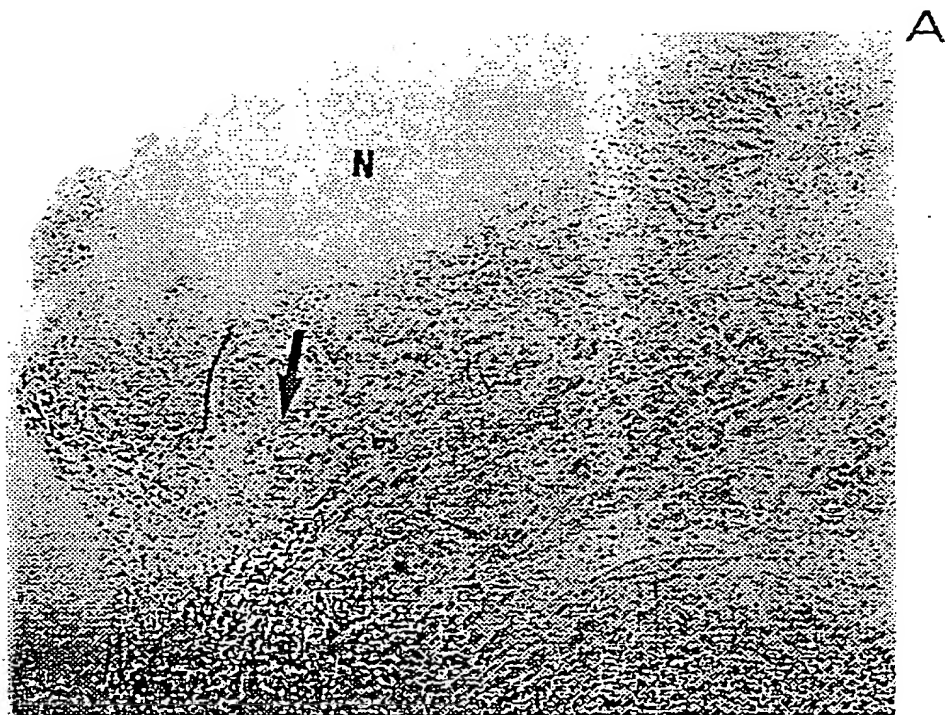


FIGURE 3
SUBSTITUTE SHEET (RULE 26) (RO/AU)

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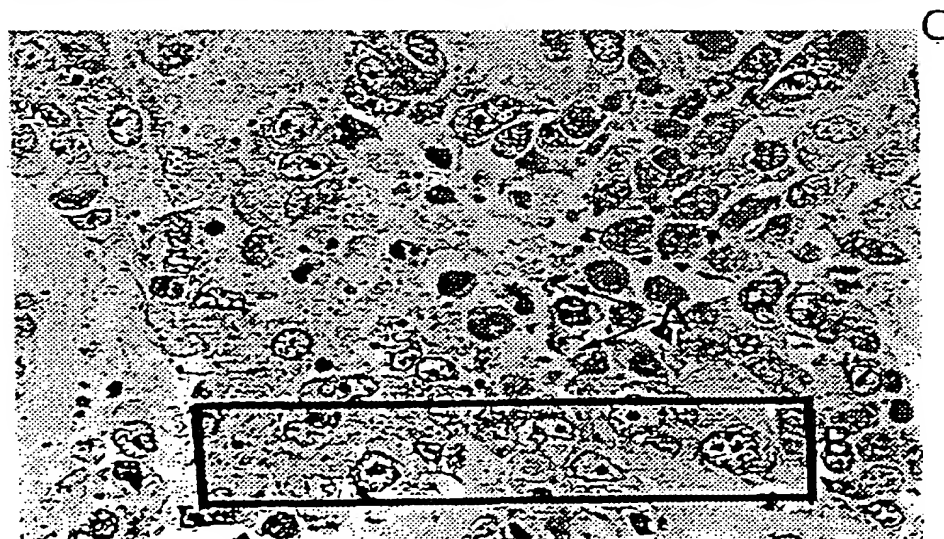
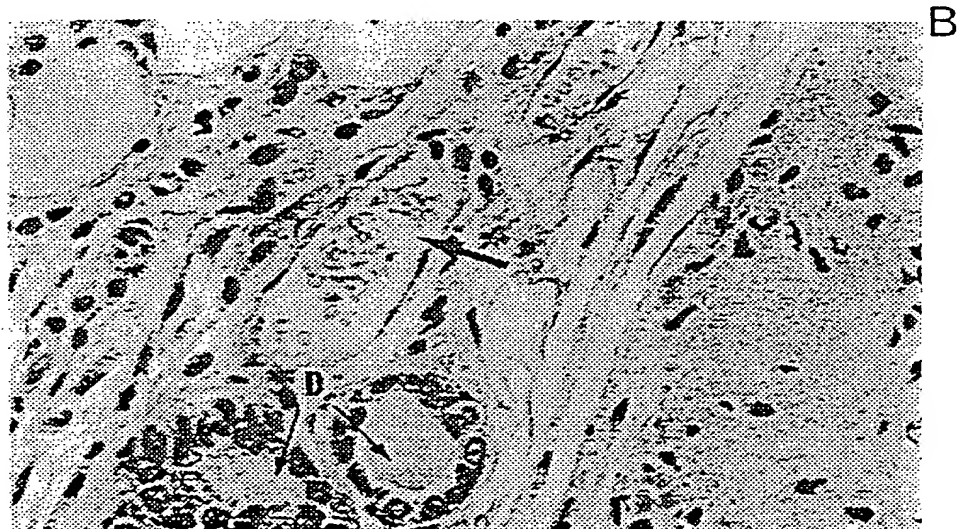
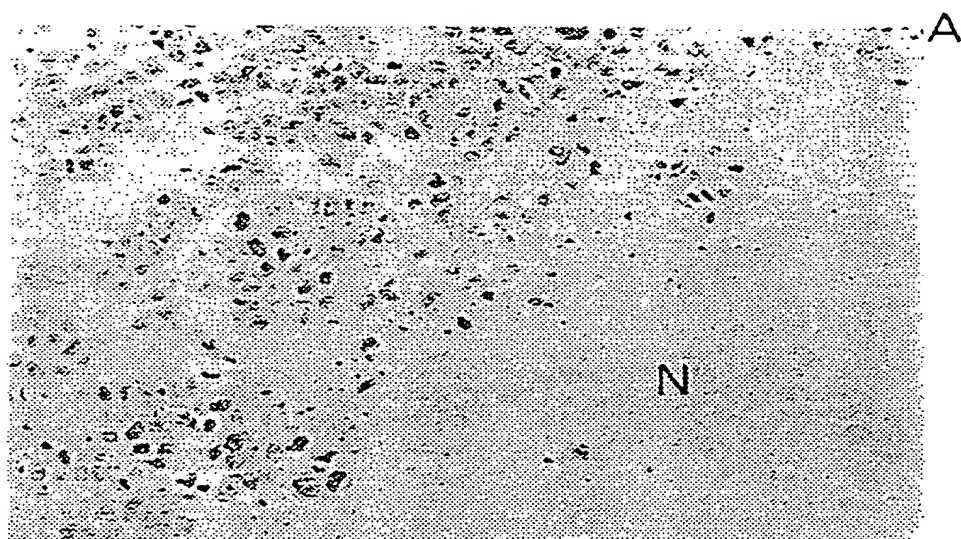


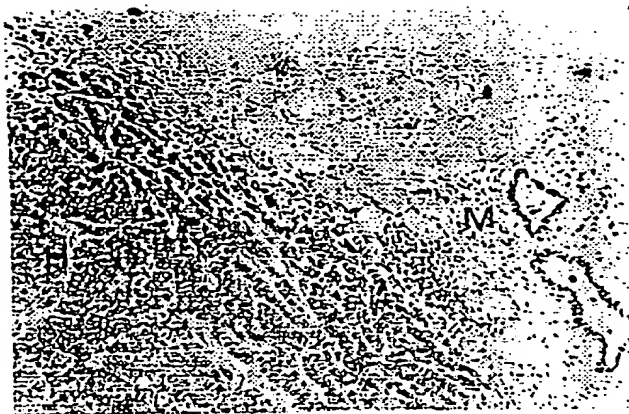
FIGURE 4

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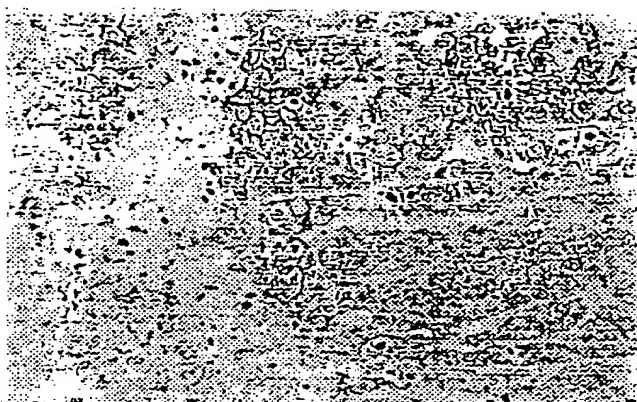
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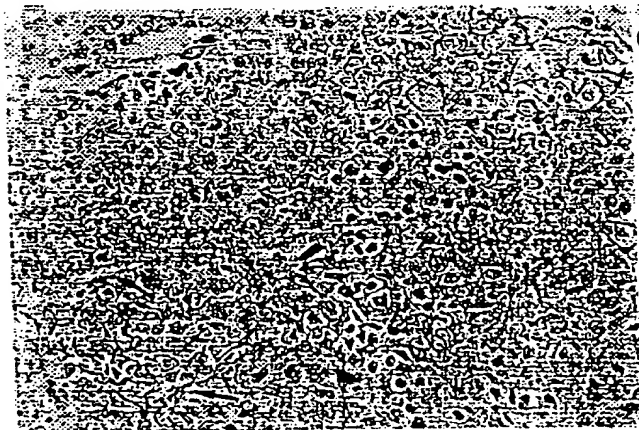
A



B



C



D



FIGURE 5

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Molecular weight characterisation of hyaluronan
used as a delivery vehicle for methotrexate

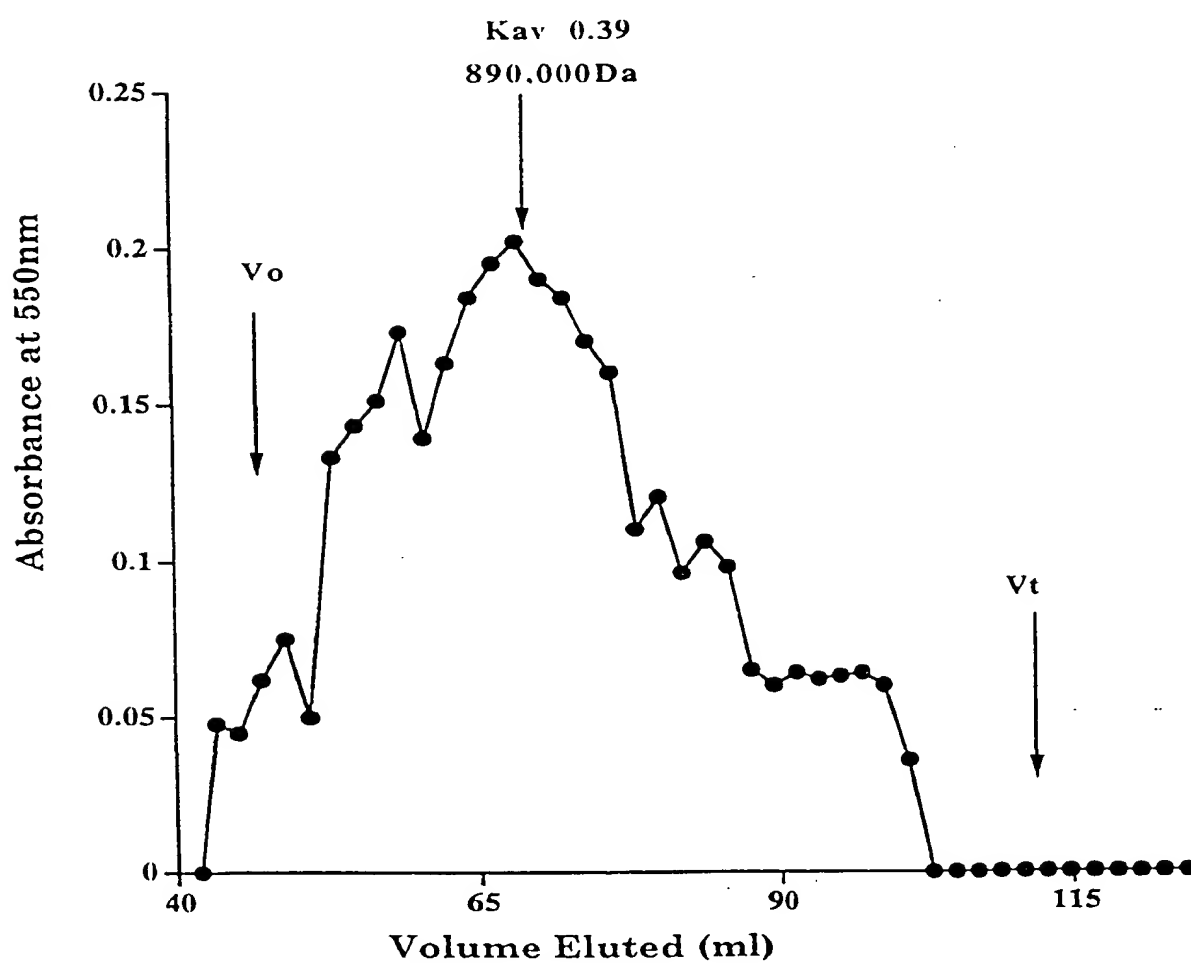


FIGURE 6

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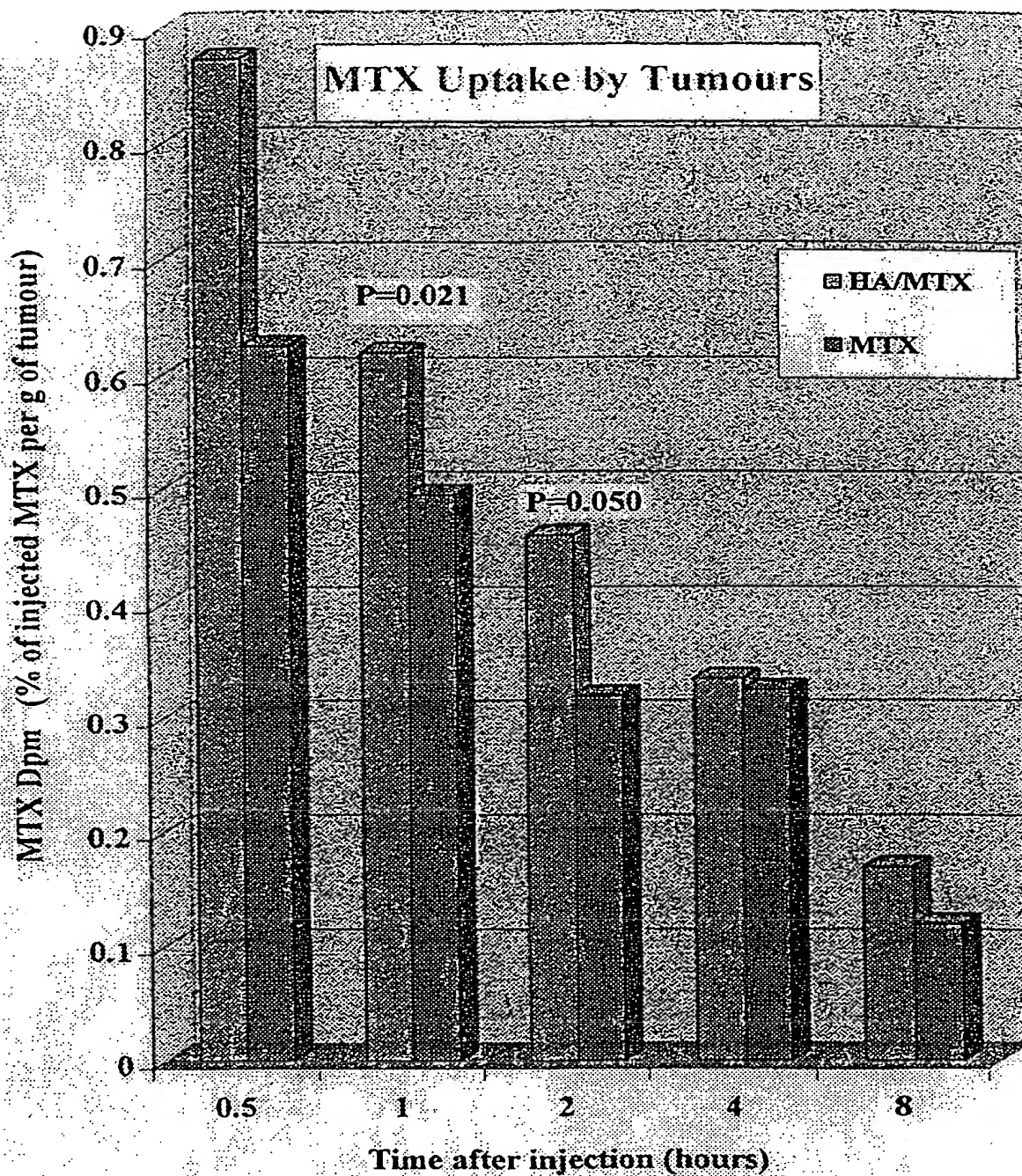


FIGURE 7

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Increased methotrexate uptake by the liver when drug is
co-administered with hyaluronan

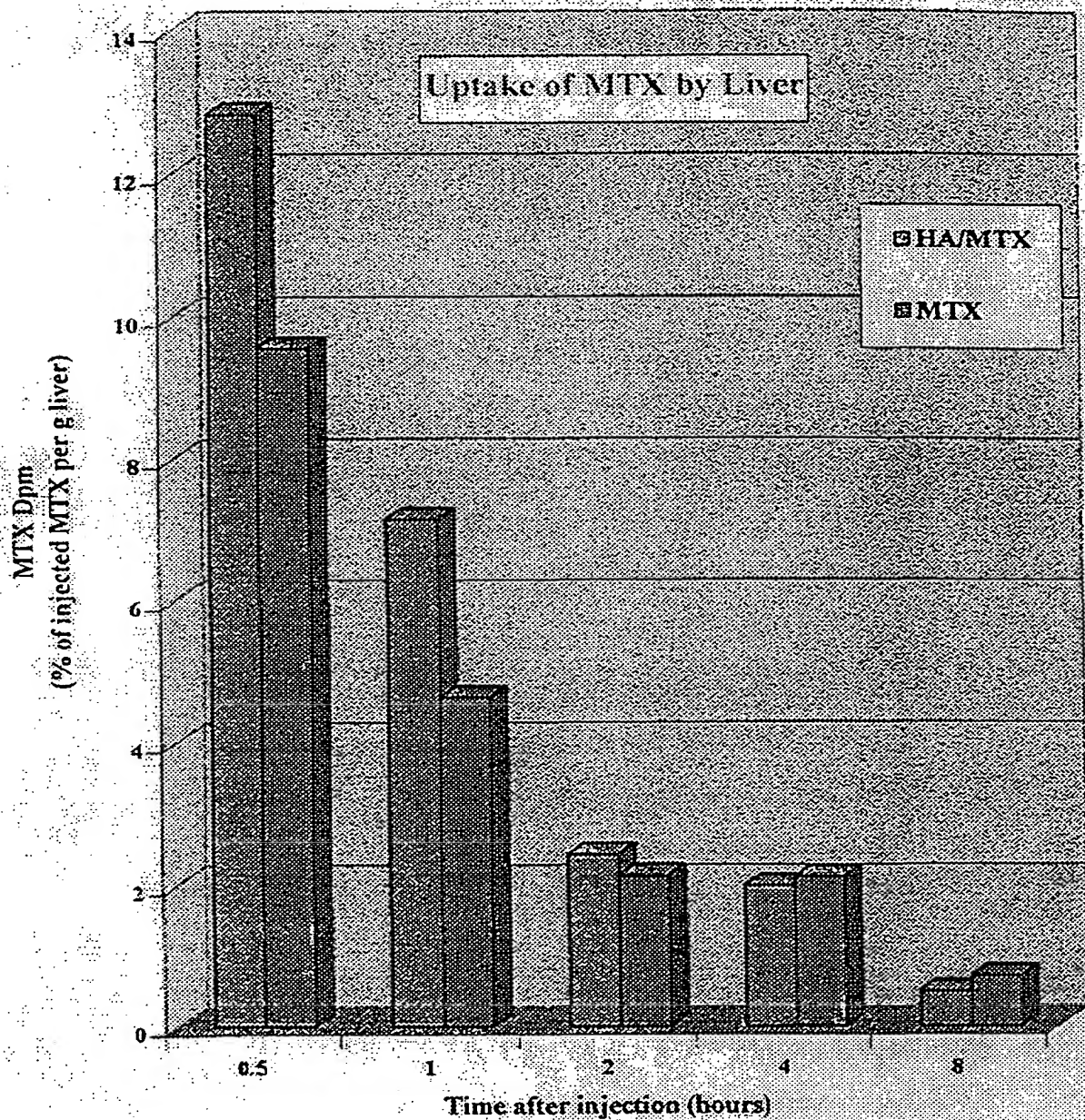


FIGURE 8

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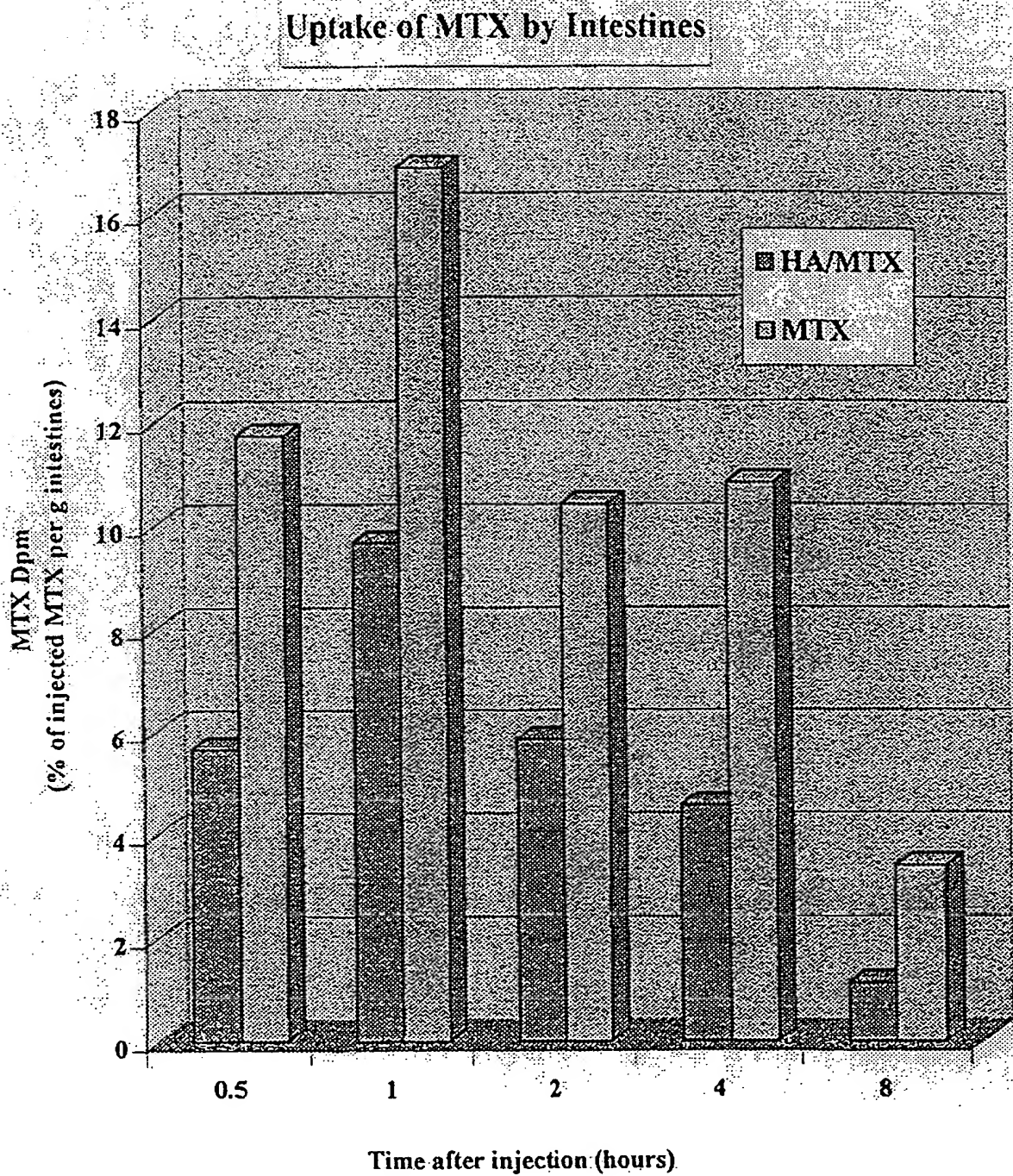
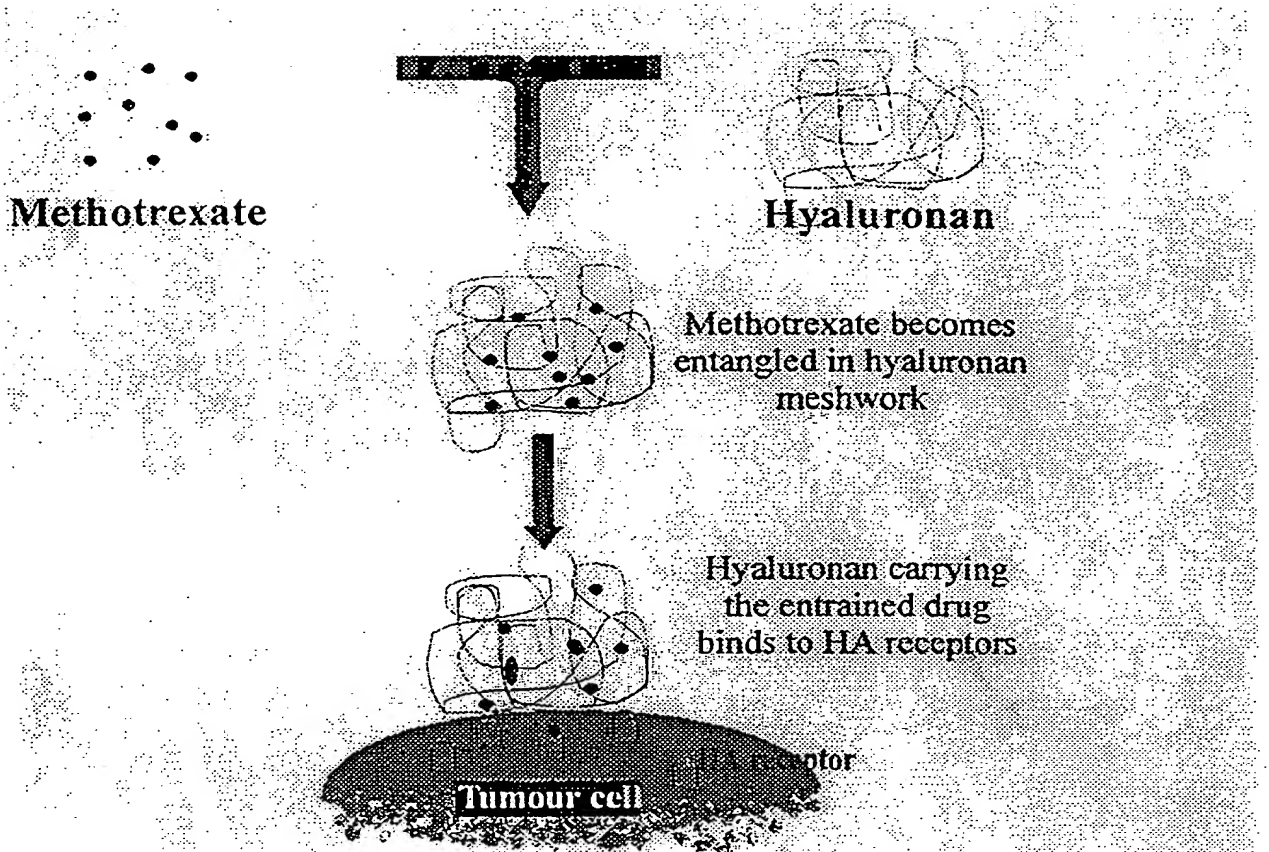


FIGURE 9

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Two possible mechanisms of drug targeting of tumour cells

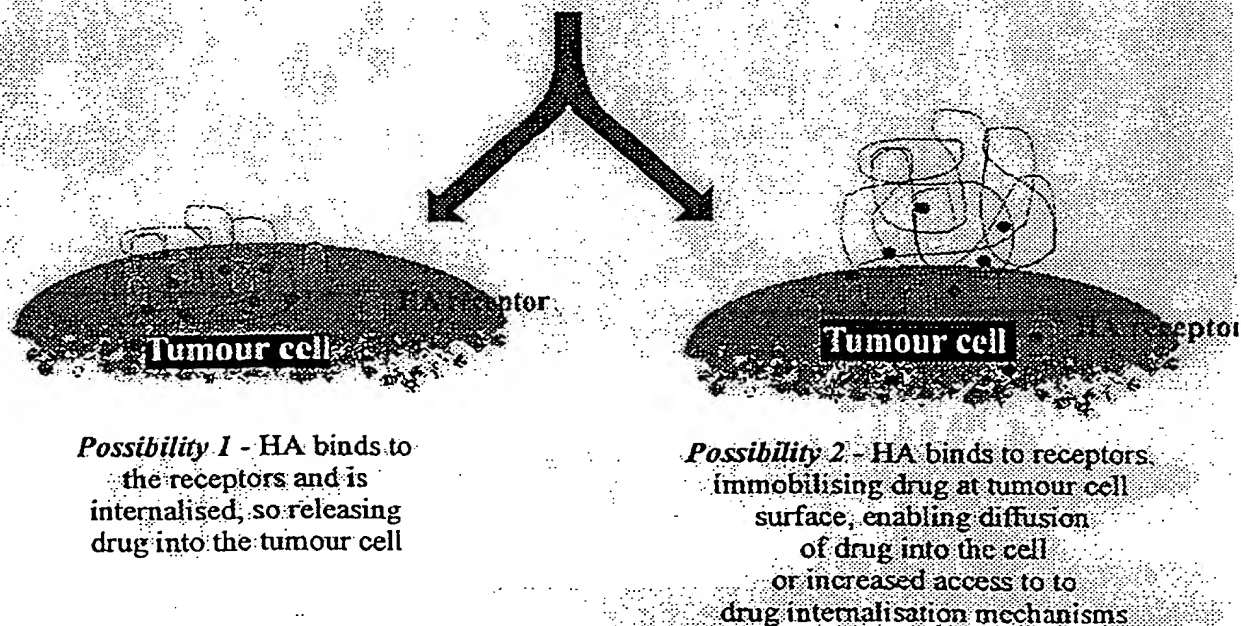
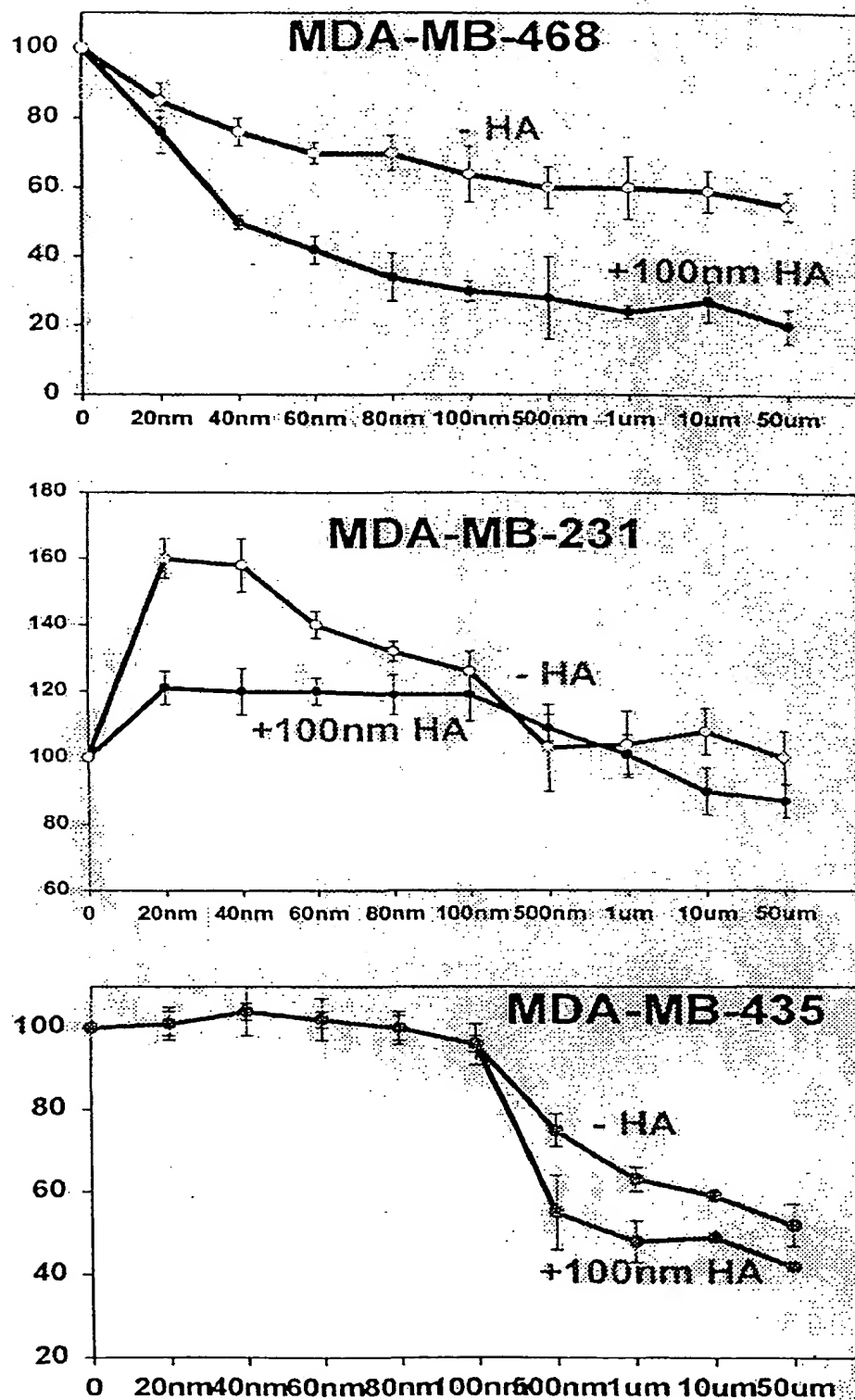


FIGURE 10.

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Percentage of Untreated Control

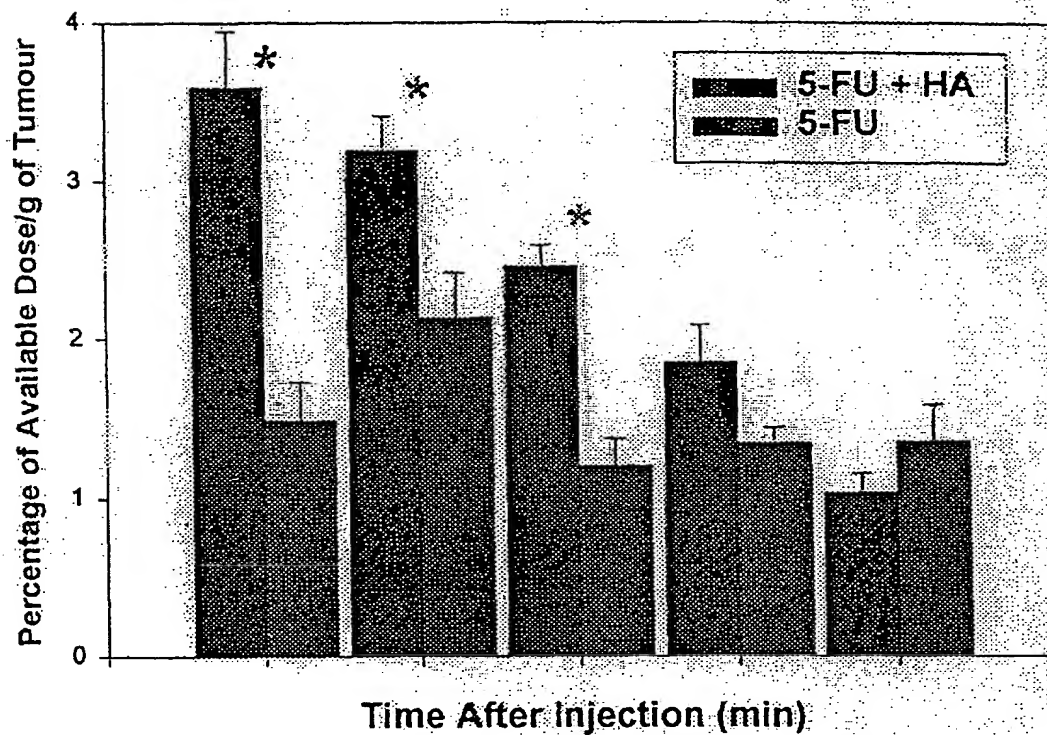


5-FU Concentration

FIGURE 11

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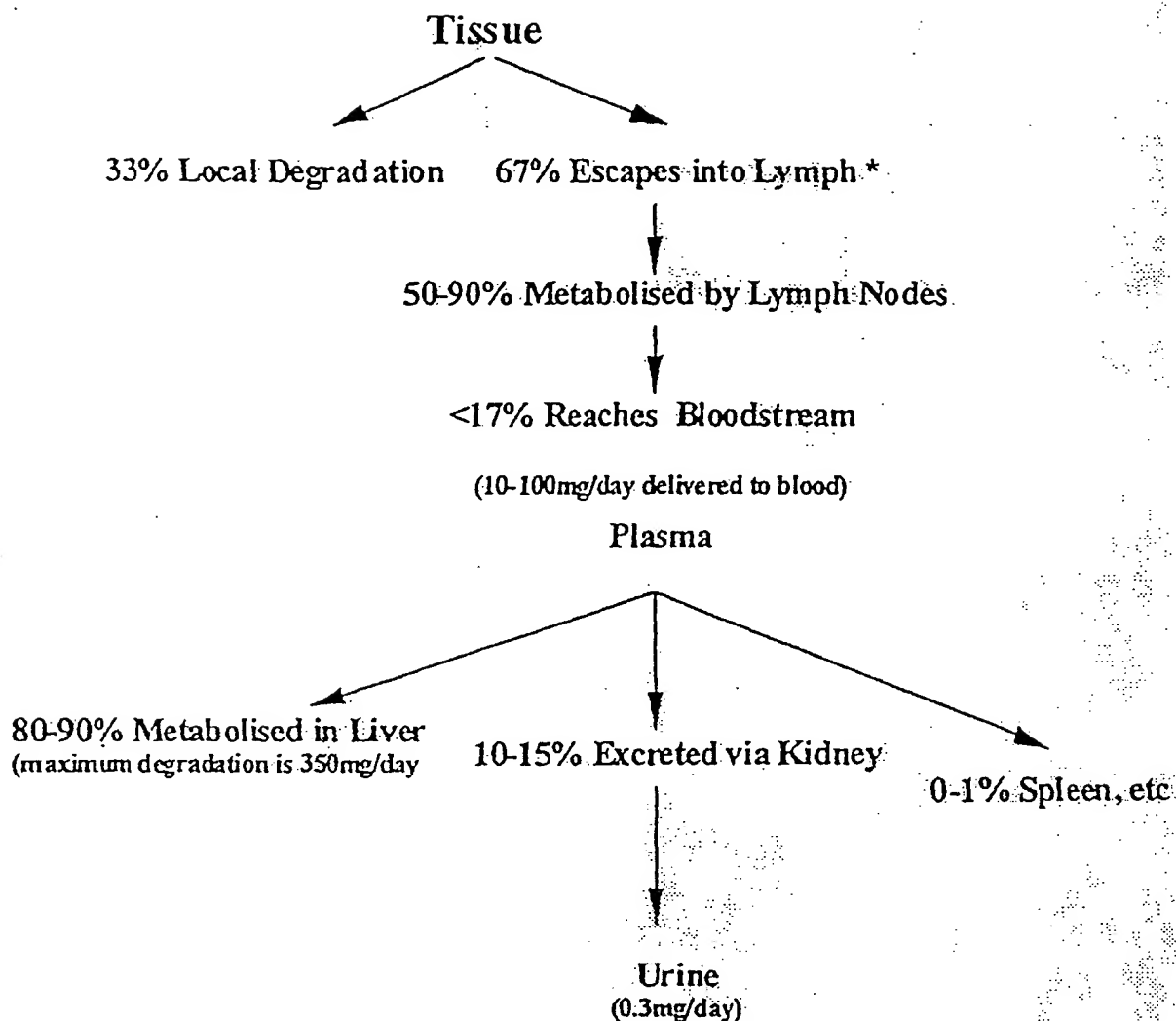
Tumour Uptake of 5-Fluorouracil



* $P = \text{or} < 0.001$, Students t-test

FIGURE 12

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* Local catabolism will almost certainly dominate in very dense tissues, or those without lymphatic drainage; for example, bone and cartilage

FIGURE 13

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Uptake of 5-FU (% of available dose/g tissue)

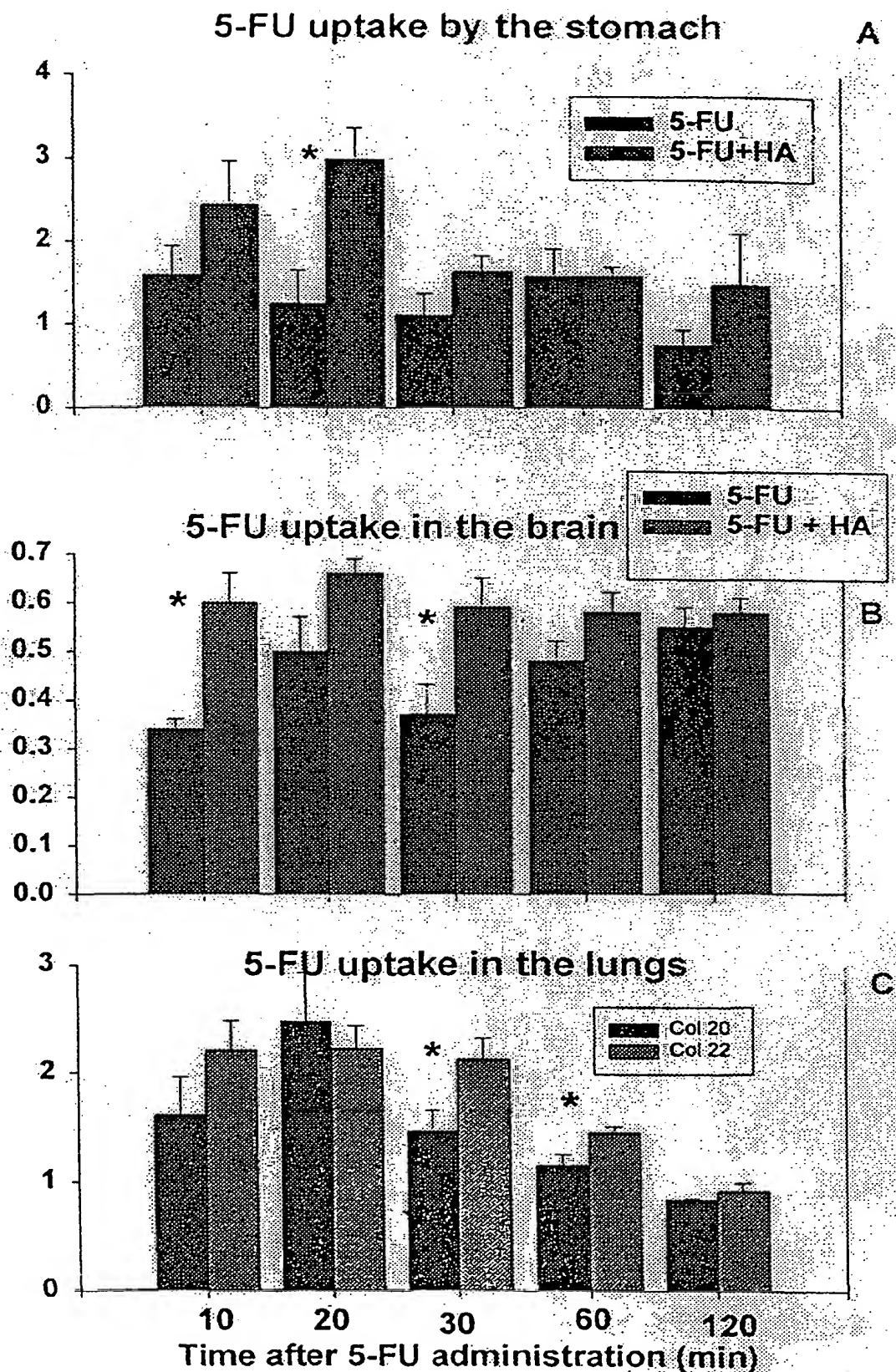


FIGURE 14

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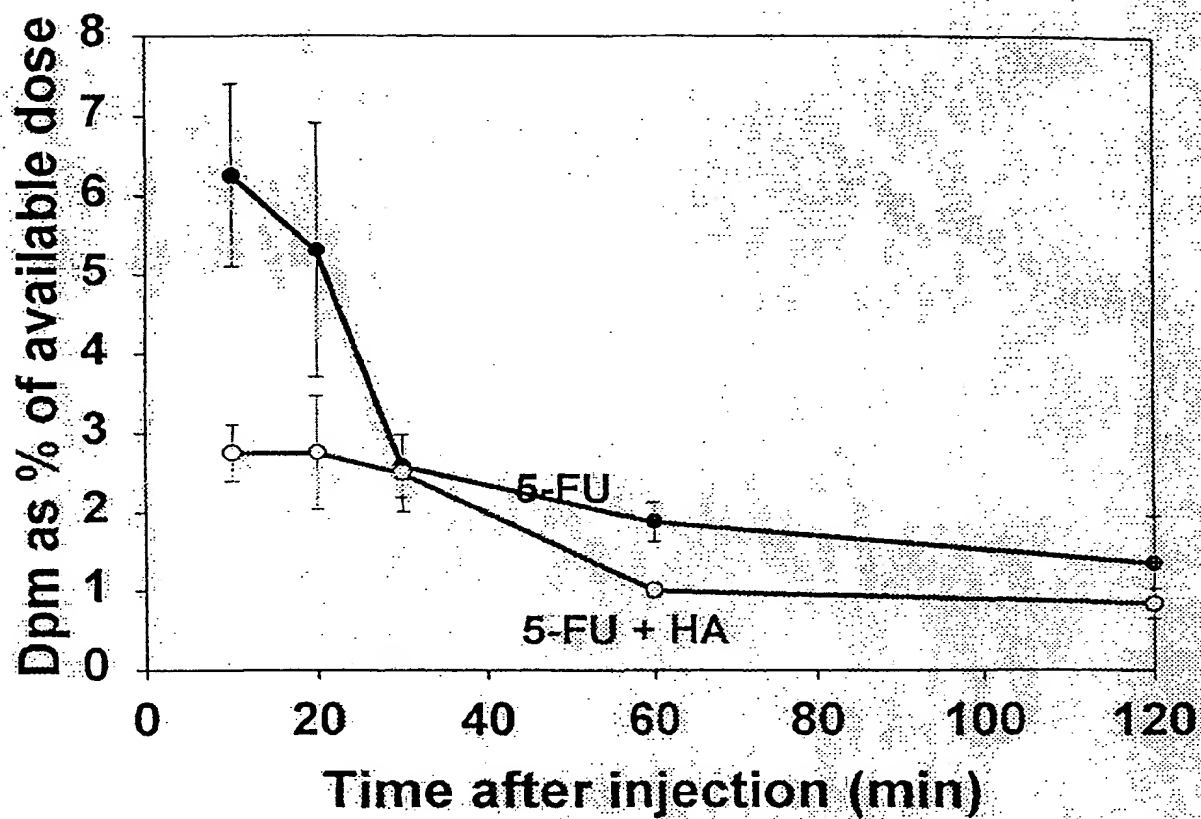


FIGURE 15

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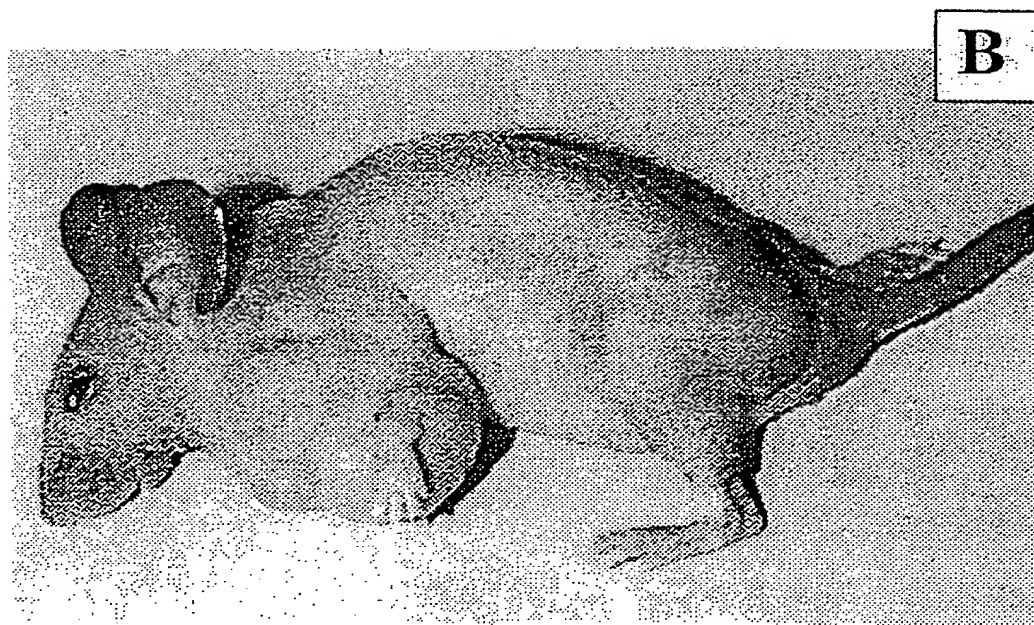


FIGURE 16

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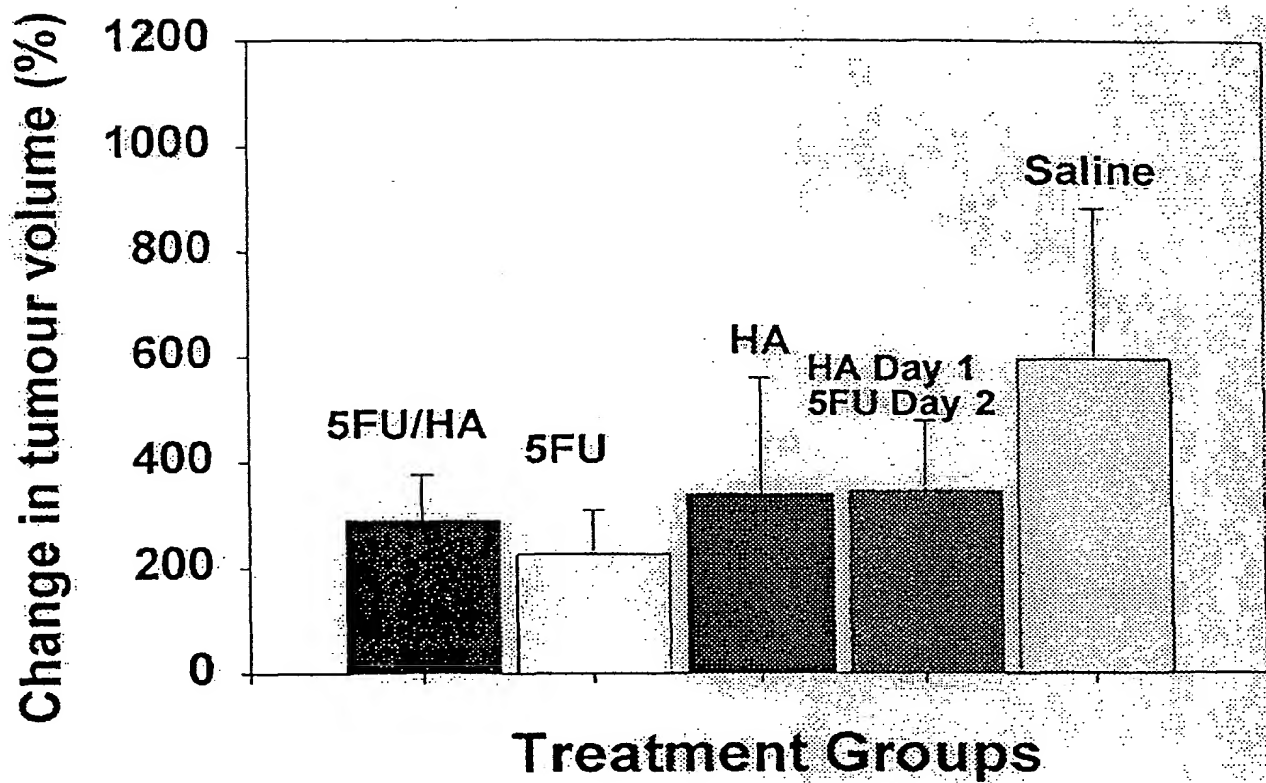


FIGURE 17

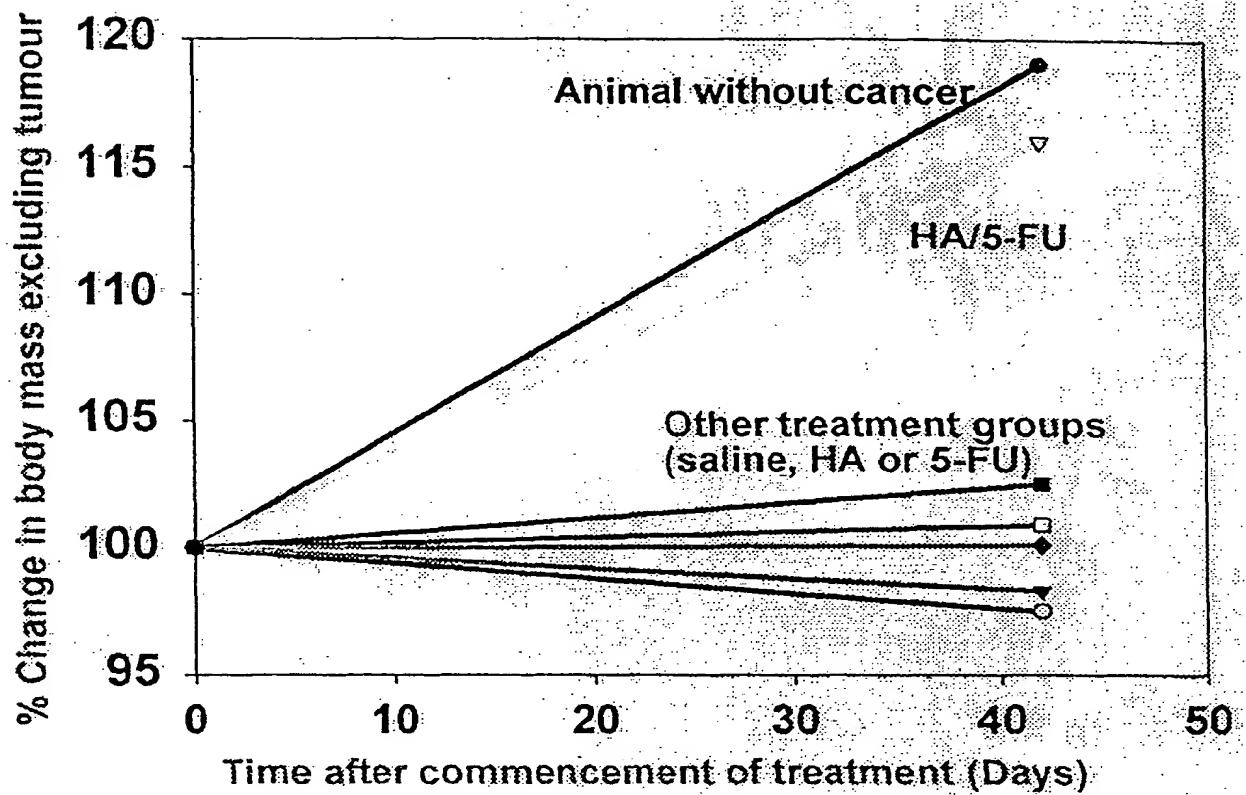


FIGURE 18

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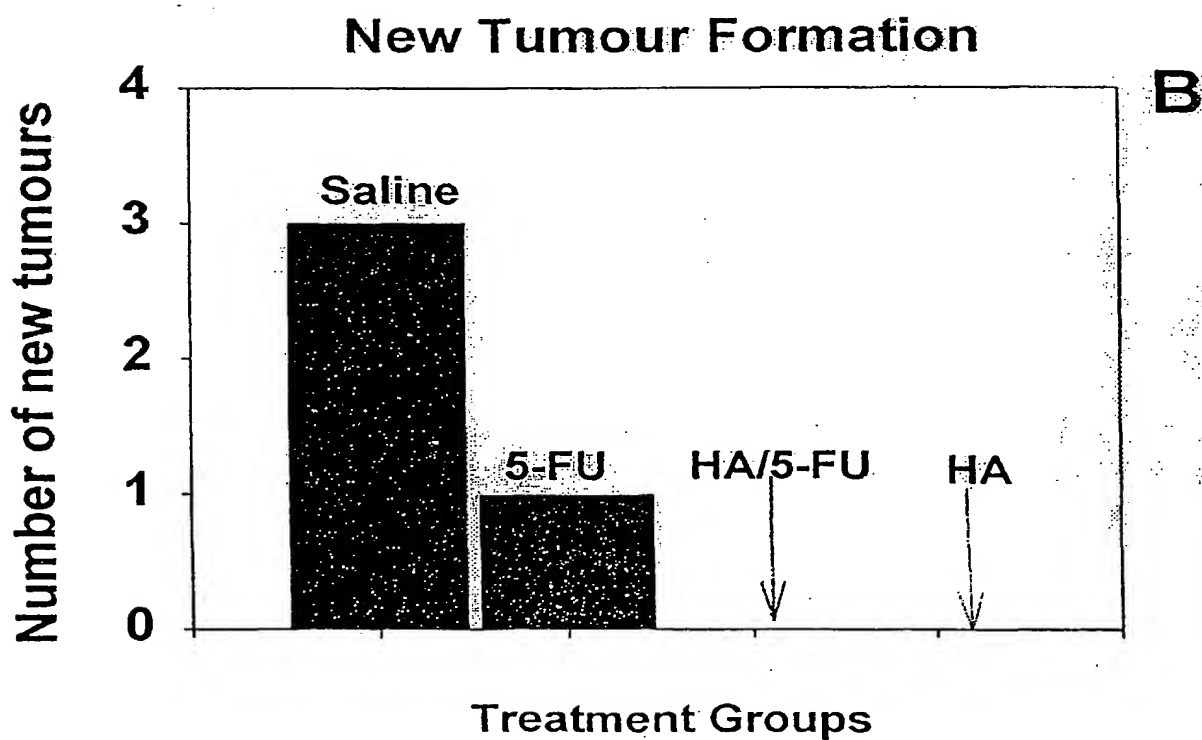
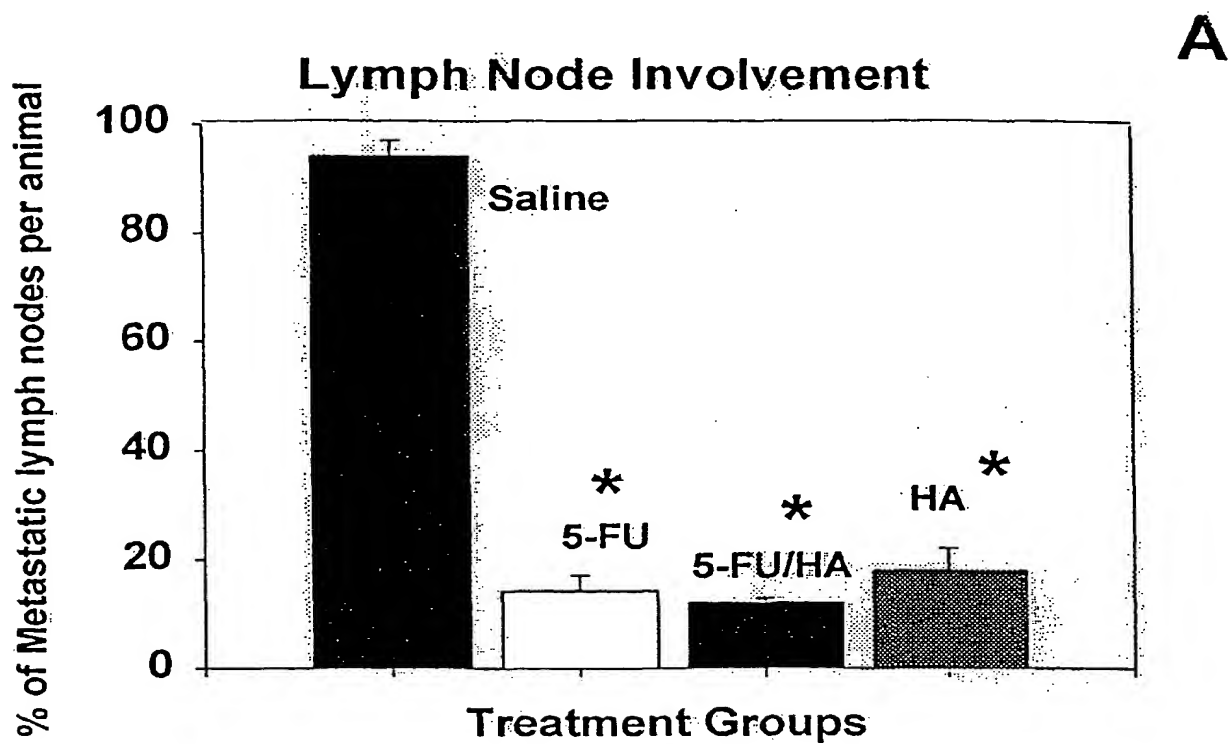


FIGURE 19

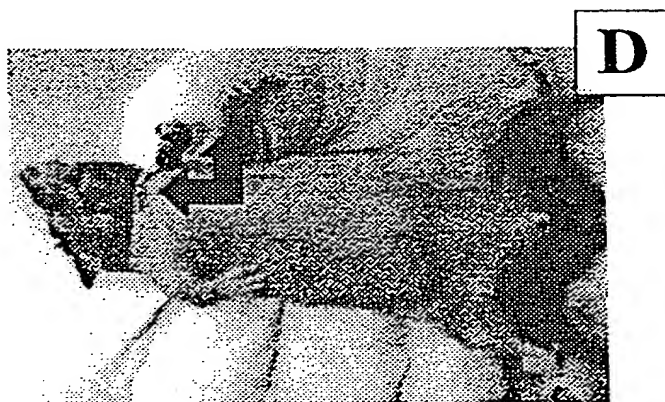
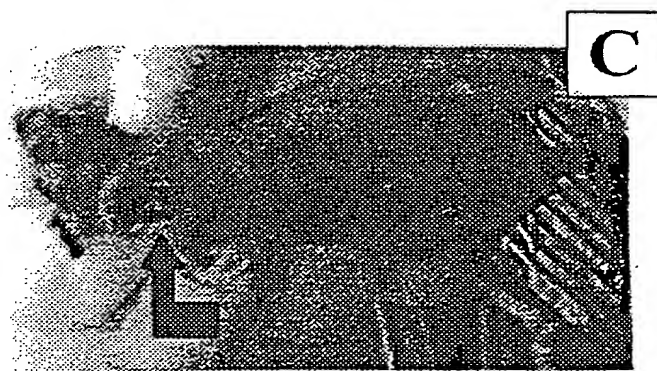
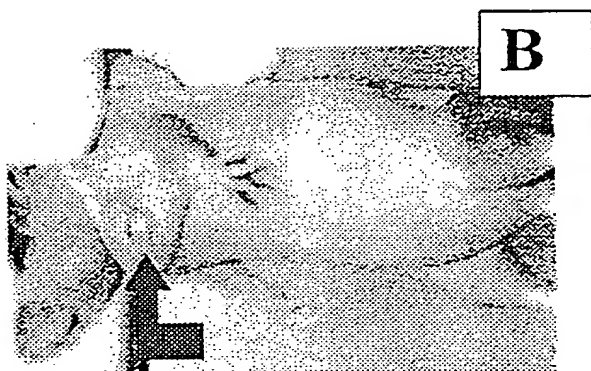
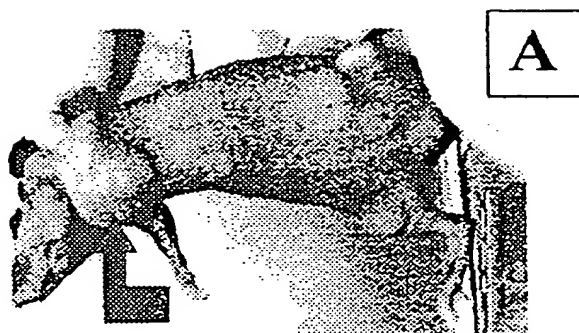


FIGURE 20
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6 Month Study: Survival Curves

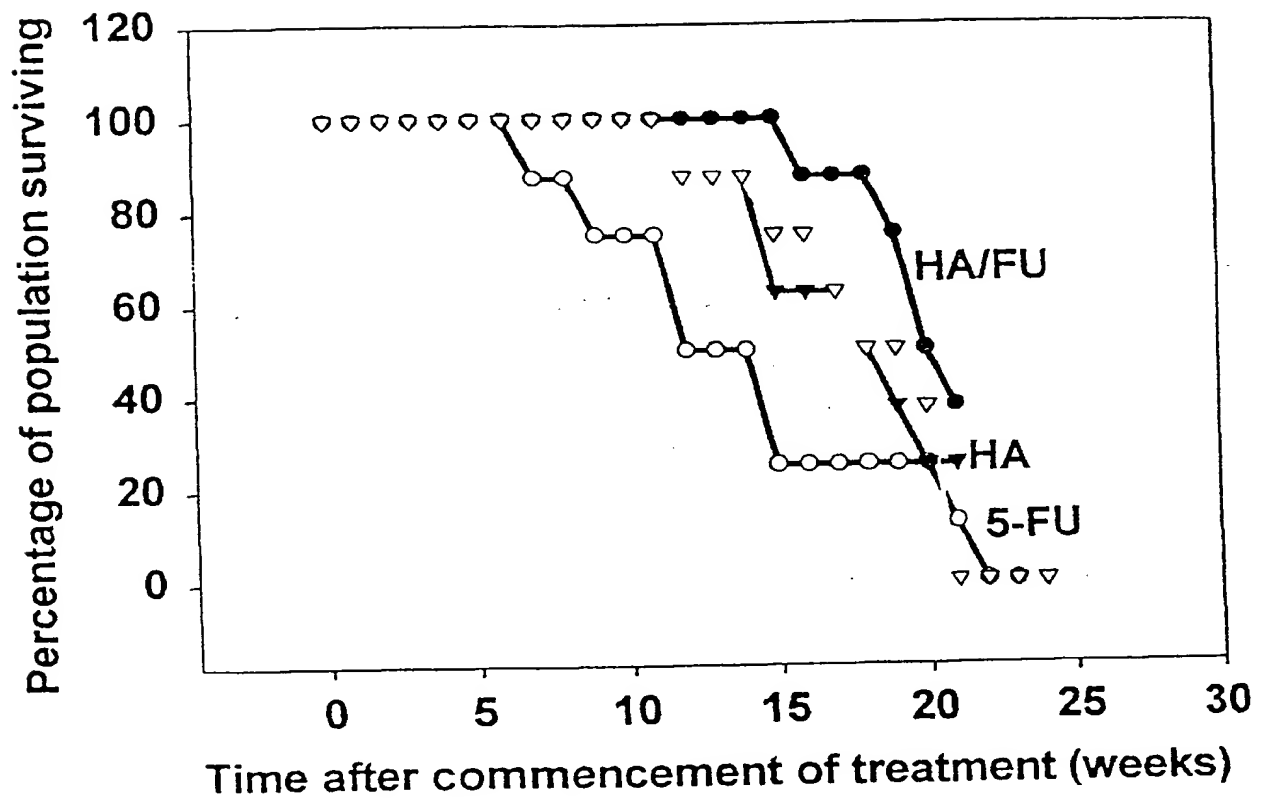


FIGURE 21

Effect of CMF/HA therapy on body mass:
6-week study

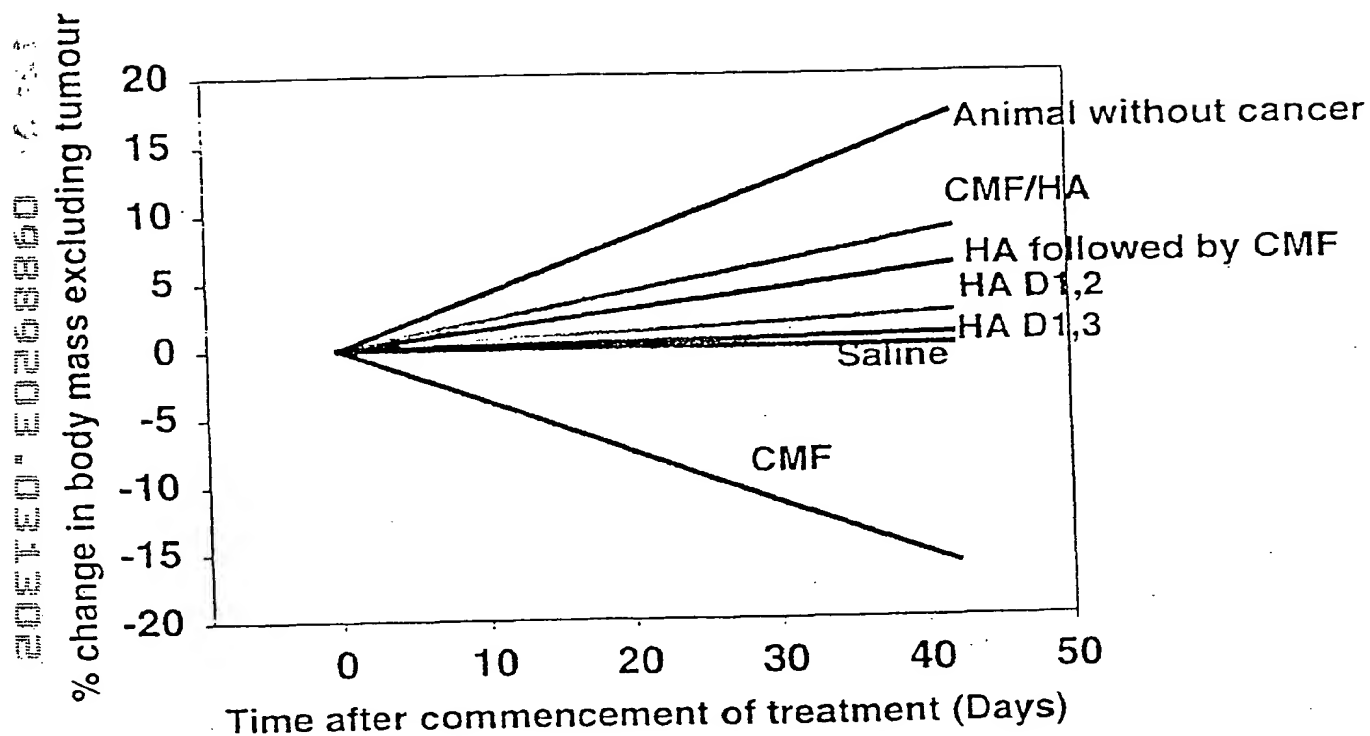


FIGURE 22

Effect of CMF/HA adjuvant therapy on primary tumour mass

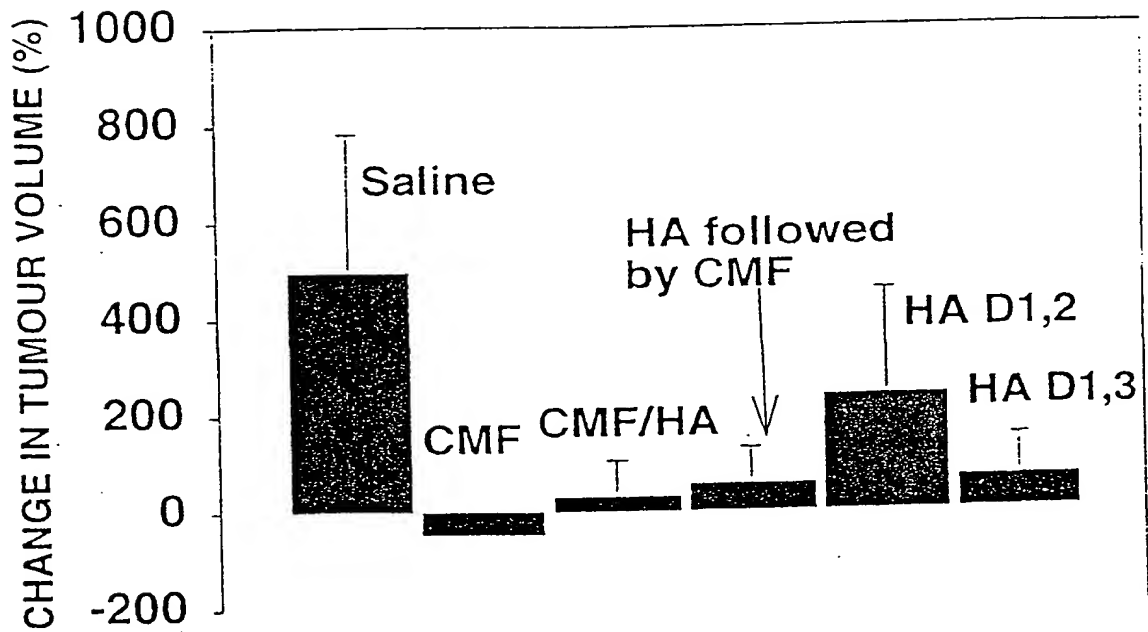


FIGURE 23

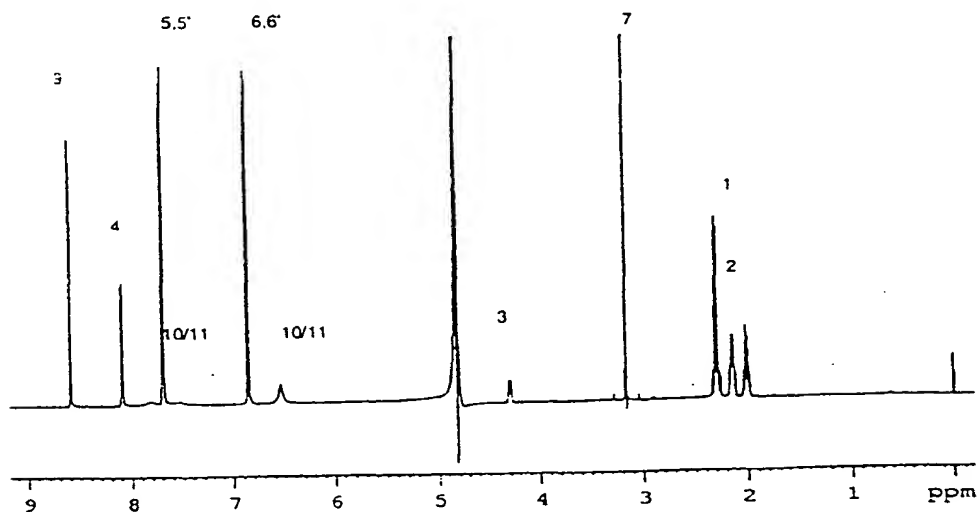
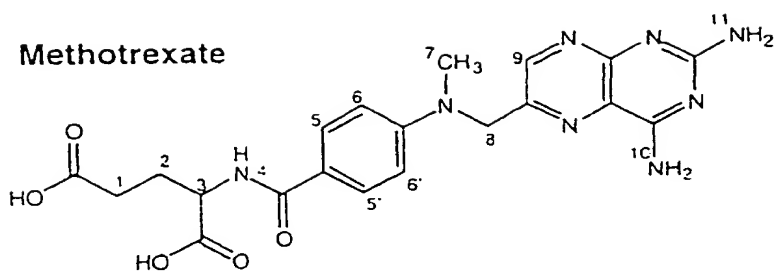


FIGURE 24

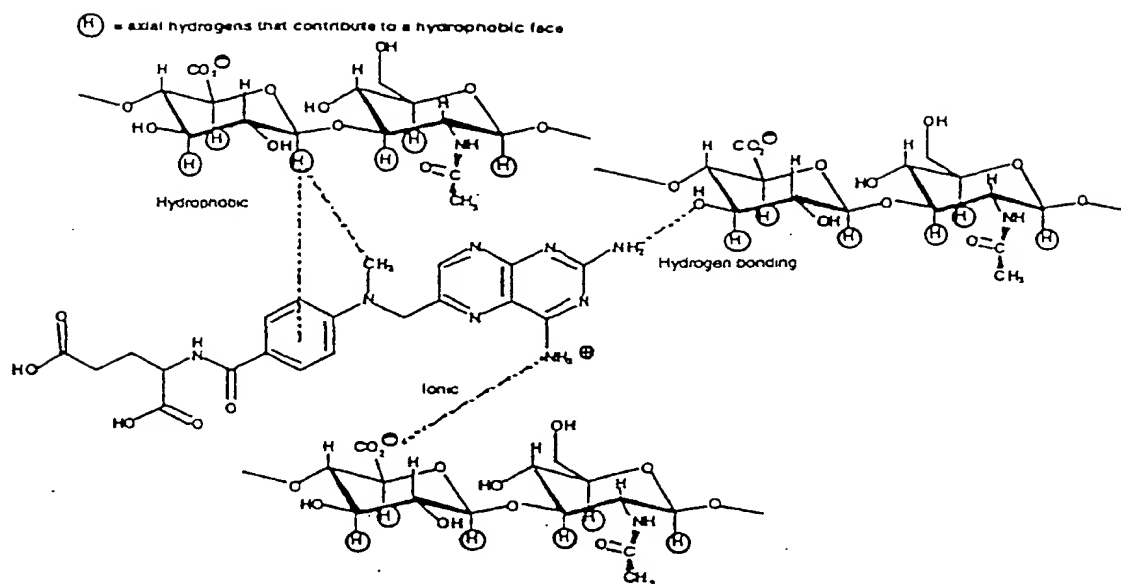


FIGURE 25

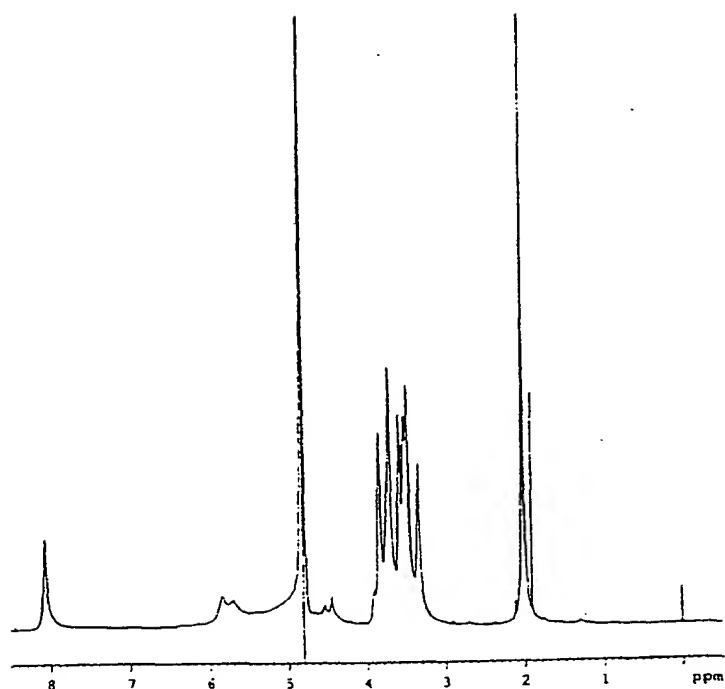


FIGURE 26

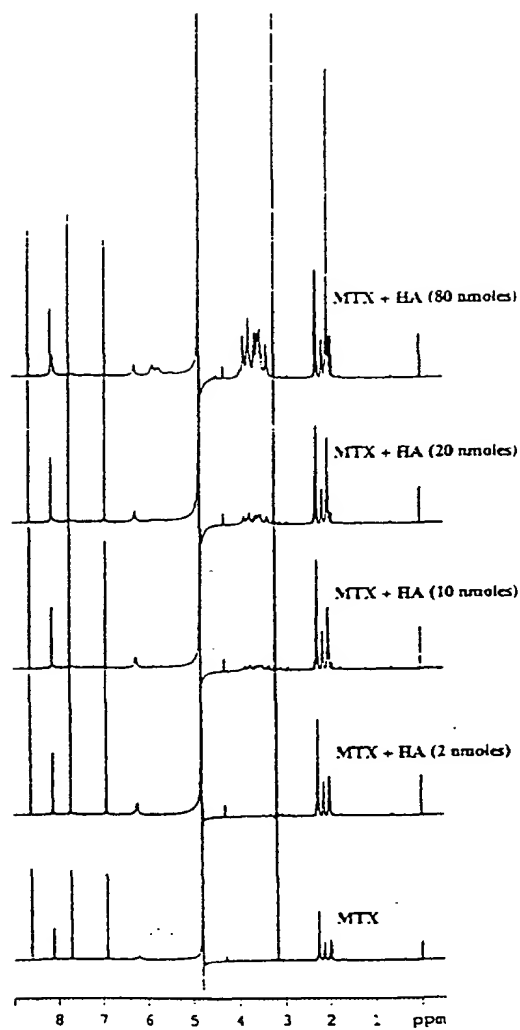


FIGURE 27

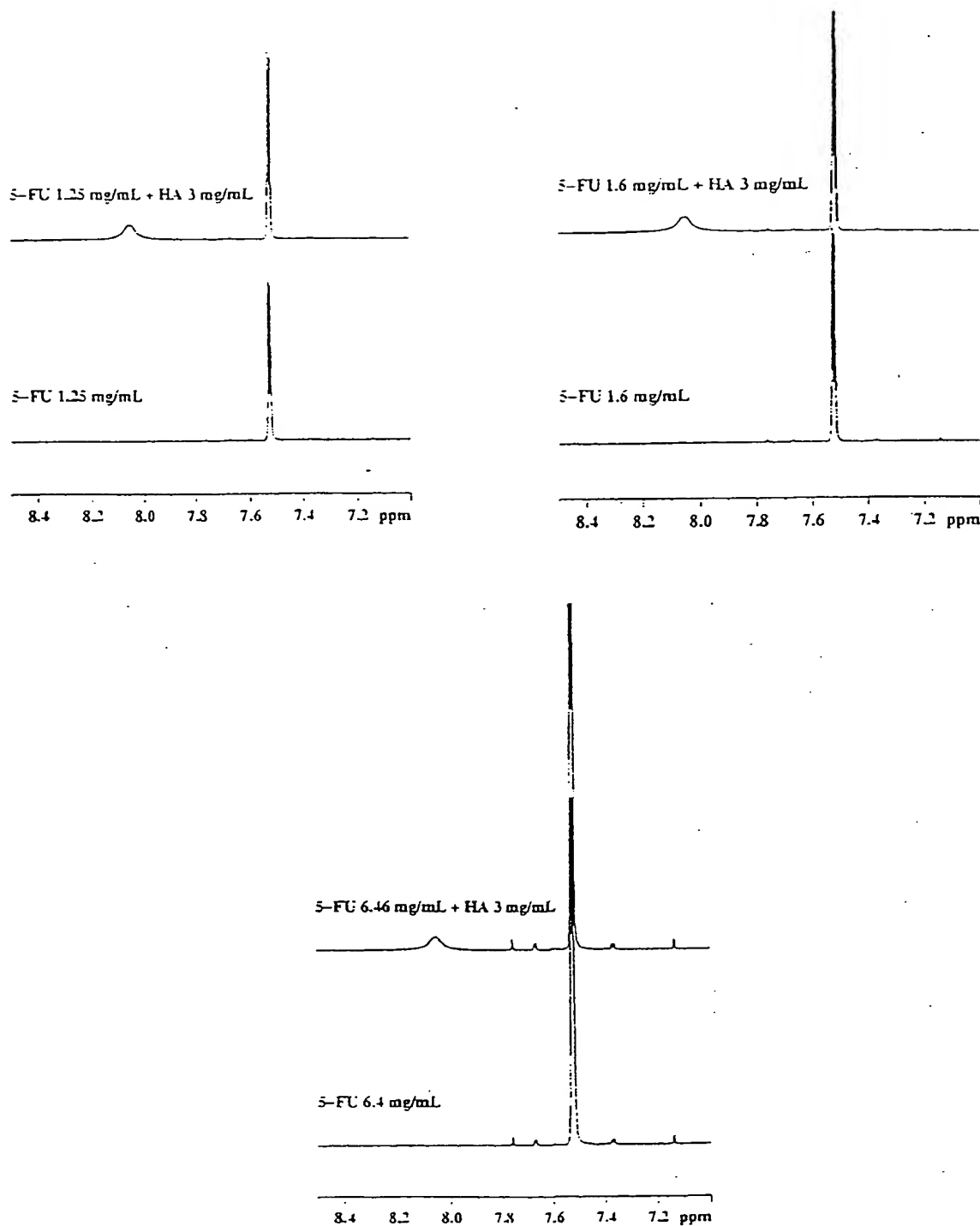


FIGURE 28